Partnering with State and Local Leaders for a Safer Future

Sandia National Laboratories has a strong track record of helping regional, state, and local entities prepare for a more secure future. Below is a sampling of the work we've undertaken to achieve important homeland security goals.

Safer Airports

- A project with **San Francisco International Airport** resulted in guidelines—created by Sandia and Lawrence Berkeley National Laboratory—for minimizing exposure in case of a biological incident. These guidelines are being distributed to airport authorities by the Transportation Security Administration.

Safer Subways

- The **Washington, D.C. metro** is already safer, thanks to PROTECT, a network of optical sensors, chemical detectors, and communications developed by Sandia and other national laboratories.
- **New York City** engaged Sandia to perform an in-depth study of subway system vulnerabilities and defenses. This work will result in a strategy for deploying a network of bio-agent detectors. Sandia's technical assistance also helped the city secure a Department of Homeland Security (DHS) grant to fund this project.

Safer Cities

- Should an attack or incident occur, cities need to know how to respond quickly and effectively. Focusing on **San Diego** as the pilot location, Sandia's BioNet program is facilitating communication between civilian and military staff to ensure a faster unified response, as well as developing guidelines for managing attack consequences.

Safer Events

- SNIFFER, a rapidly deployable network of air-monitoring sensors for detecting toxic chemicals, was developed by Sandia for DHS as a detect-to-warn system for special events. SNIFFER was operationally deployed for the first time at the 2007 Rose Bowl. Owned by DHS, the system is suitable for sports arenas and large facilities, both indoors and outdoors.

Safer Ports

- Sandia served as program manager for the **Ports of Long Beach and Los Angeles** in implementing Operation Safe Commerce—a federal program to explore business processes and technologies for protecting commercial shipments from terrorism, illegal immigration, and contraband. Sandia's work involved identifying security improvements throughout the supply chain, testing potential solutions in an operating environment, and making recommendations based on our findings.
- In another activity, Sandia is working with the **Port Authority of New York and New Jersey** to test advanced radiation detection equipment developed by three commercial companies under a DHS project. This is a follow-on to another major project to test radiation portals in busy northeastern ports.

Safer Borders

- The Border Research and Technology Center, operated by Sandia in partnership with the Navy SPAWAR System Center, San Diego, provides testing and analysis of technologies for border enforcement to **federal, state, and local law enforcement agencies**. Depending on the scope of the project, this assistance is often available at no cost.
- Sandia also works hand-in-hand with **Border Patrol** on specific issues. For example, Sandia has evaluated several commercial sensor systems for the New Mexico National Guard, cooperates with several northern border sectors, and provides technical support for Integrated Border Enforcement Teams.

Sandia helped develop a system to protect the Washington, D.C. metro from chemical attacks.

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HOMELAND SECURITY & DEFENSE

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